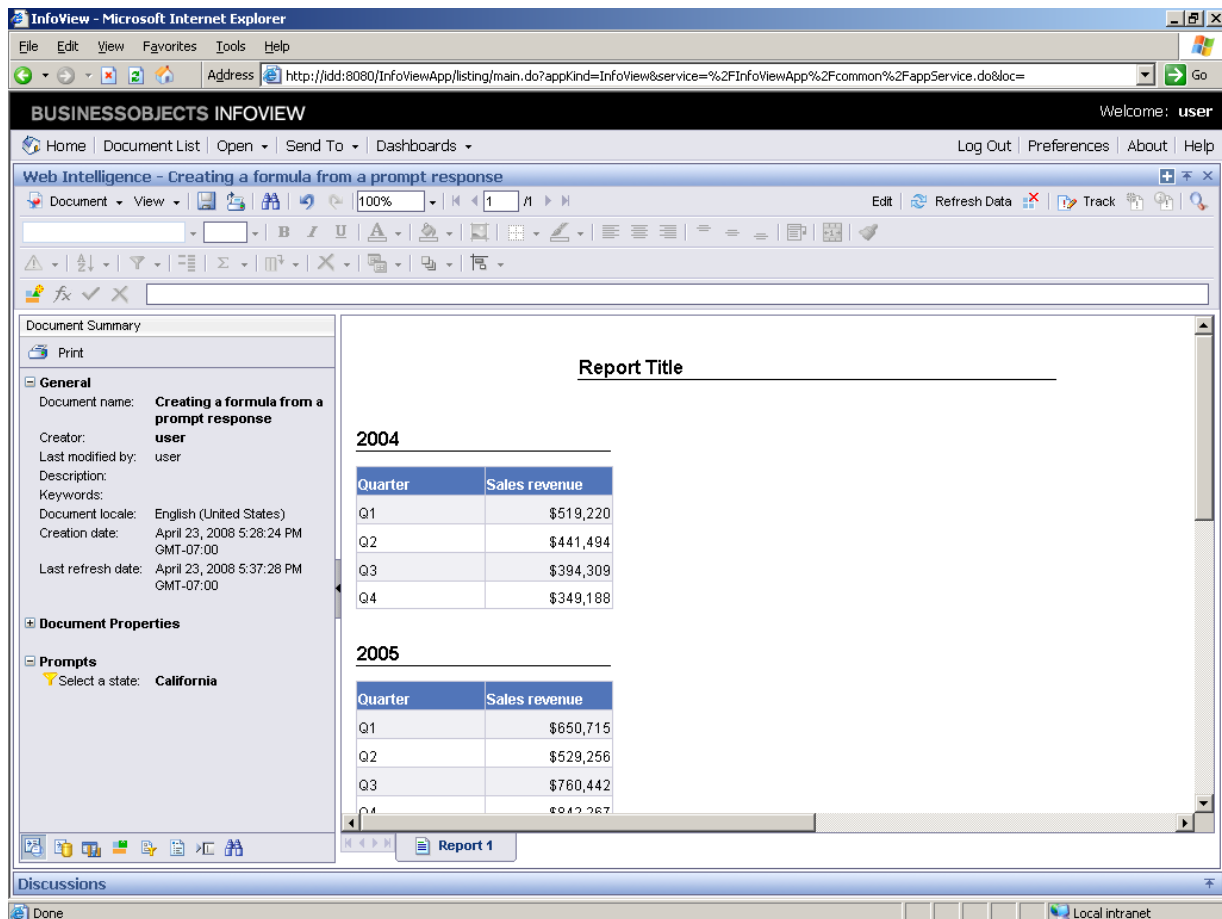


## Creating a formula from a prompt response

### Procedure

1. Start the transaction using the menu path or transaction code.

### Internal



The screenshot shows the Business Objects InfoView web application in a Microsoft Internet Explorer browser. The address bar displays a URL starting with 'http://jdd:8080/InfoViewApp/listing/main.do?appKind=InfoView&service=%2FInfoViewApp%2Fcommon%2FappService.do&loc='. The application header includes 'BUSINESSOBJECTS INFOVIEW' and a 'Welcome: user' message. The main content area is titled 'Web Intelligence - Creating a formula from a prompt response'. On the left, the 'Document Summary' pane shows details for a document named 'Creating a formula from a prompt response' created by 'user'. Below this, the 'Prompts' section shows a prompt 'Select a state: California'. The main report area displays two tables of sales revenue data for 2004 and 2005. The 2004 table shows revenue for Q1 (\$519,220), Q2 (\$441,494), Q3 (\$394,309), and Q4 (\$349,188). The 2005 table shows revenue for Q1 (\$650,715), Q2 (\$529,256), Q3 (\$760,442), and Q4 (\$612,267). The bottom of the screen shows a 'Discussions' pane and a 'Done' status bar.

Quarter	Sales revenue
Q1	\$519,220
Q2	\$441,494
Q3	\$394,309
Q4	\$349,188

Quarter	Sales revenue
Q1	\$650,715
Q2	\$529,256
Q3	\$760,442
Q4	\$612,267

2. Press [Enter] to continue.

This document displays data concerning sales revenue for each quarter of the year.

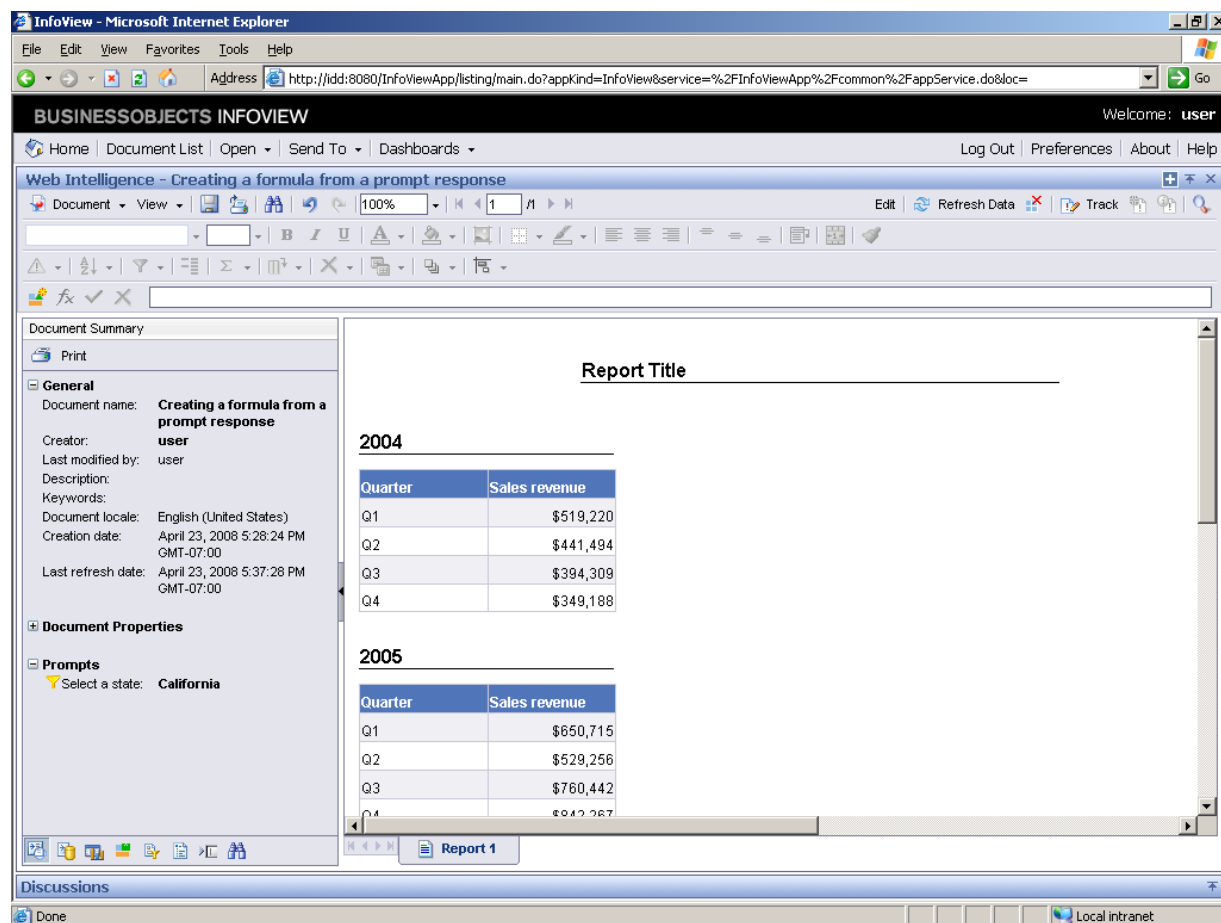
In the Document Summary pane, you can see that the document has

## Creating a formula from a prompt response

been created with a prompted filter. Every time you refresh the data in this document, the prompt will request you to specify which state's sales revenue you want to display in the table.

Press **[Enter]** to continue.

### Internal



The screenshot shows the Business Objects InfoView web application interface. The main content area displays a report titled "Report Title" with data for the years 2004 and 2005. The data is presented in two tables, one for each year, showing sales revenue by quarter. The left sidebar contains a "Document Summary" section with details about the document, including its name, creator, and last modified date. Below this, there is a "Document Properties" section with a "Prompts" subsection where a state can be selected. The bottom of the interface shows a "Discussions" section and a status bar indicating the connection to the Local intranet.

2004	
Quarter	Sales revenue
Q1	\$519,220
Q2	\$441,494
Q3	\$394,309
Q4	\$349,188

2005	
Quarter	Sales revenue
Q1	\$650,715
Q2	\$529,256
Q3	\$760,442
Q4	\$942,267

- Click **Refresh Data**.

When you refresh the data, the query that was used to create the document retrieves the most recent data from the database.

## Creating a formula from a prompt response

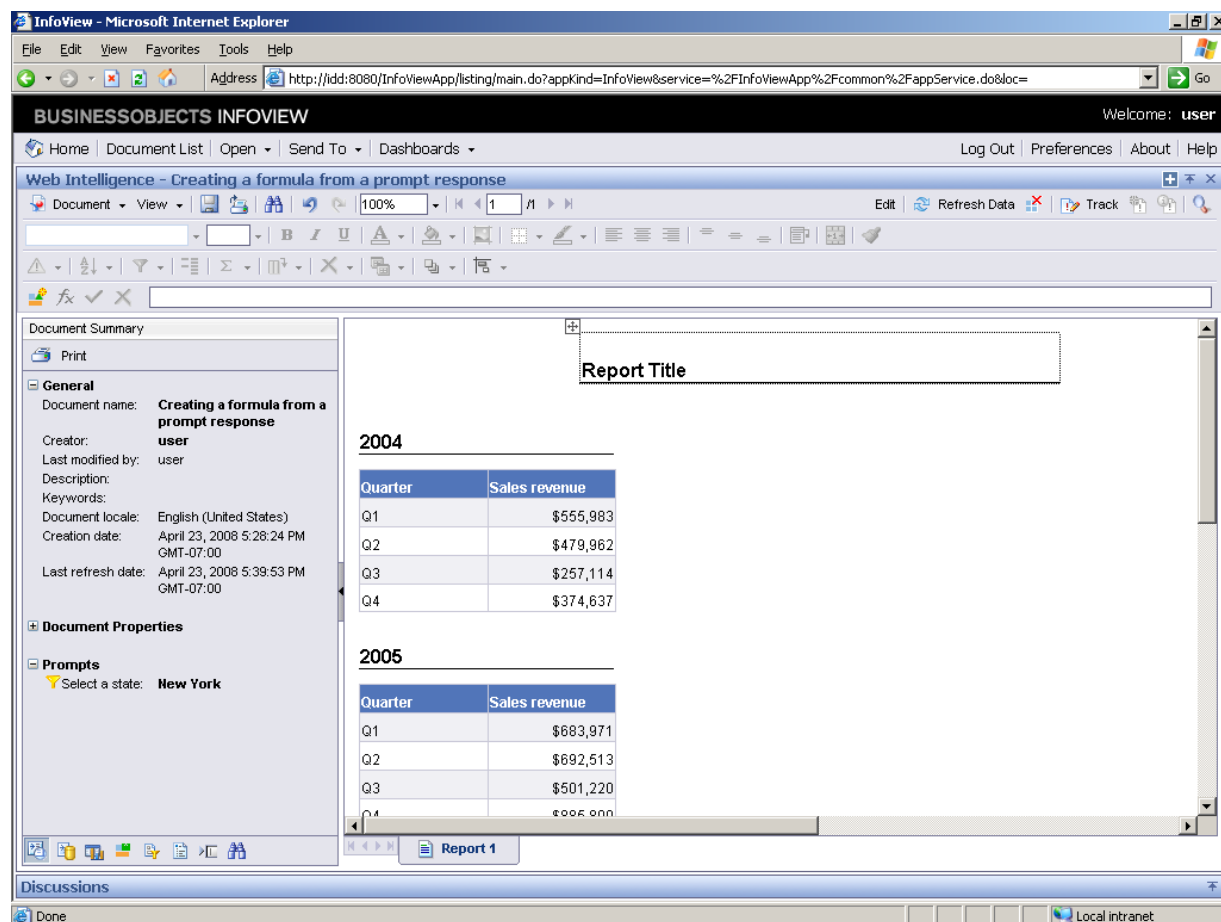
4. Double-click the **New York** list item.

This document was created with a filter that prompts you to select the state that interests you. If you cannot see a list of states

You want to view sales revenue for New York.

5. Click **Run Query**.

### Internal



InfoView - Microsoft Internet Explorer

Address: http://jdd:8080/InfoViewApp/listing/main.do?appKind=InfoView&service=%2FInfoViewApp%2Fcommon%2FappService.do&loc=

**BUSINESSOBJECTS INFOVIEW** Welcome: user

Home | Document List | Open | Send To | Dashboards | Log Out | Preferences | About | Help

Web Intelligence - Creating a formula from a prompt response

Document | View | 100% | Edit | Refresh Data | Track

Document Summary

Print

**General**

Document name: Creating a formula from a prompt response

Creator: user

Last modified by: user

Description:

Keywords:

Document locale: English (United States)

Creation date: April 23, 2008 5:28:24 PM GMT-07:00

Last refresh date: April 23, 2008 5:39:53 PM GMT-07:00

**Document Properties**

**Prompts**

Select a state: New York

**2004**

Quarter	Sales revenue
Q1	\$555,983
Q2	\$479,962
Q3	\$257,114
Q4	\$374,637

**2005**

Quarter	Sales revenue
Q1	\$683,971
Q2	\$692,513
Q3	\$501,220
Q4	\$500,000

Report Title

Report 1

Discussions

Done

Local intranet

6. Click inside the **Report Title** field.

The query has retrieved only sales revenue data concerning New York state.

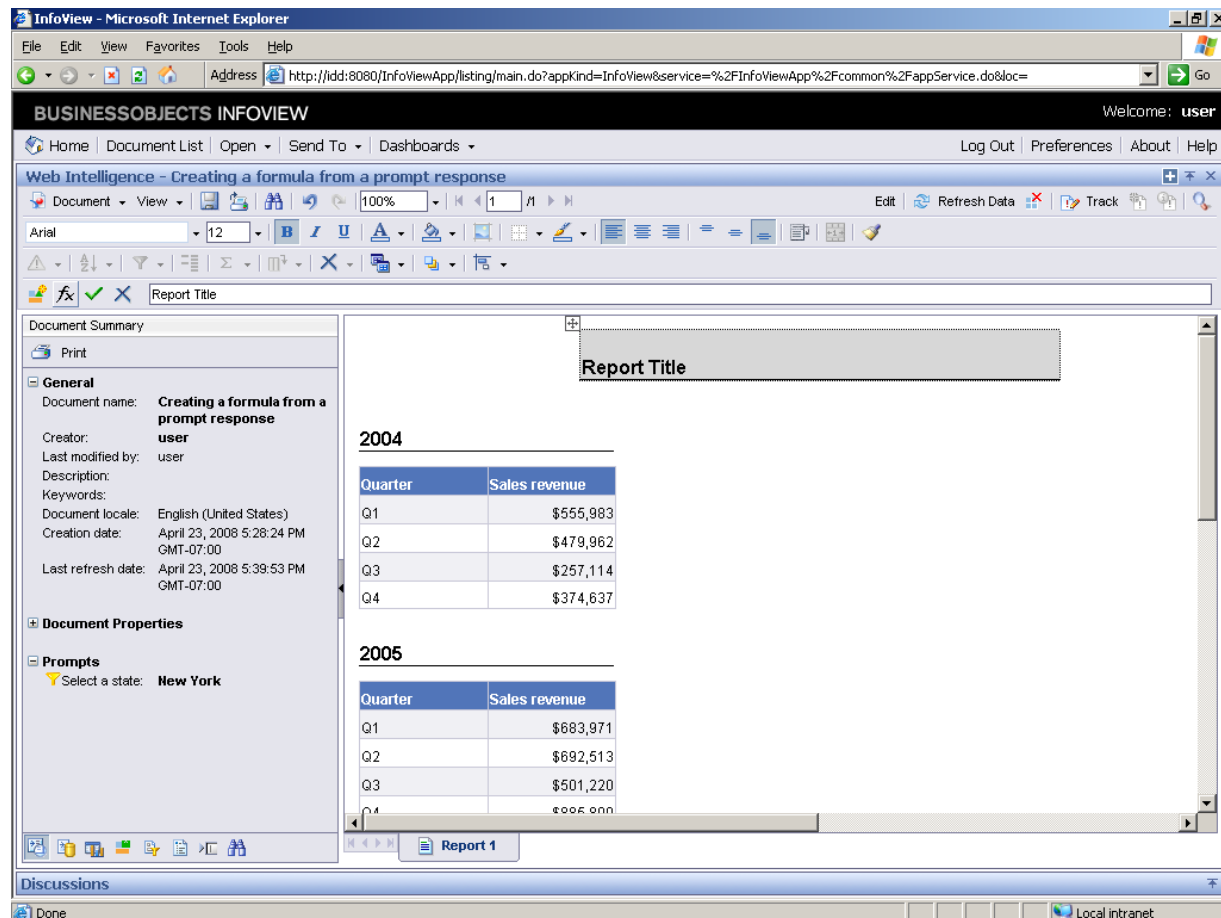
However, as you view the document, it's not immediately clear that the sales figures are about New York. If you saved the document and sent it to your colleagues, they would not understand the context of this data.

To make it clearer to other users, you want to display a title that will reflect your response to the prompt. Also, the title must change each time you or another user refreshes the document again and chooses a different state.

You can use the **Report Title** cell as the basis for creating a formula that will capture your response and display it automatically as part of the title.

## Creating a formula from a prompt response

### Internal



- Click **Formula Editor** .

The Formula toolbar allows you to type in a formula if you are confident you can do this without assistance.

However, in this lesson you will use the Formula Editor.

- Click inside the **Formula:** field.

The Formula Editor provides an interface that assists you in choosing the object, functions and operators you will use to define the formula.

Because you highlighted the Report Title cell in the report, the cell name is displayed in the Formula edit field.

9. As required, complete/review the following fields:

Field	R/O/C	Description
Formula:	R	<b>Example:</b> =

Begin typing over the default text to define the formula.

Every formula begins with the equal (=) sign.

Enter the desired information into the **Formula:** field.

10. Press **[Enter]** to continue.

Continue the formula with the text that you want to appear as the report title. Remember that when you include a text string in a formula, the string must always begin and end with double quotes (").

In this exercise the string **"Quarterly Revenue for "** will be entered for you, in the application you would have to do this yourself.

Press **[Enter]** to continue.

11. Click the **addition operator** button .

Now, you will define the remainder of the formula so that your response to the prompt will complete the title.

12. Click the **-** button before the **All** tree item.

Now you are going to add the "UserResponse" function to this formula.

First you need to scroll down the Available Functions list box to find the "UserResponse" function in the list.

- The "UserResponse" function is located in the Data Provider functions class.

The screenshot displays the InfoView application interface. The main window is titled "Web Intelligence - Creating a formula from a prompt response". A "Formula Editor" dialog box is open, showing the formula "=\"Quarterly Revenue for \"+\". The dialog includes three panes: "Available Objects" (containing "Available Objects", "Quarter", "Year", "Sales revenue", and "Variables"), "Available Functions" (containing "Data Provider", "Connection", "DataProvider", "DataProviderKeyDate", "DataProviderKeyDateCaption", and "DataProviderSQL"), and "Available Operators" (containing "All", "And", "Between", "Block", and "Row"). The background shows a table with columns for quarter and revenue, and a "Report 1" button at the bottom.

- 7 of 10

## Creating a formula from a prompt response

Field	R/O/C	Description
Formula:	R	<b>Example:</b> "Select a state:"

The UserResponse function is added to the formula, followed by parentheses. Note that the syntax you must use with this function is displayed in the help box at the bottom of the Formula Editor.

You are going to type inside the parentheses the exact text string used in the document's prompt. Note that there is a quote(") at either end of the string.

Enter the desired information into the **Formula:** field.

17. Click **Validate**.

Now you check the formula's syntax.

18. Click **OK**.

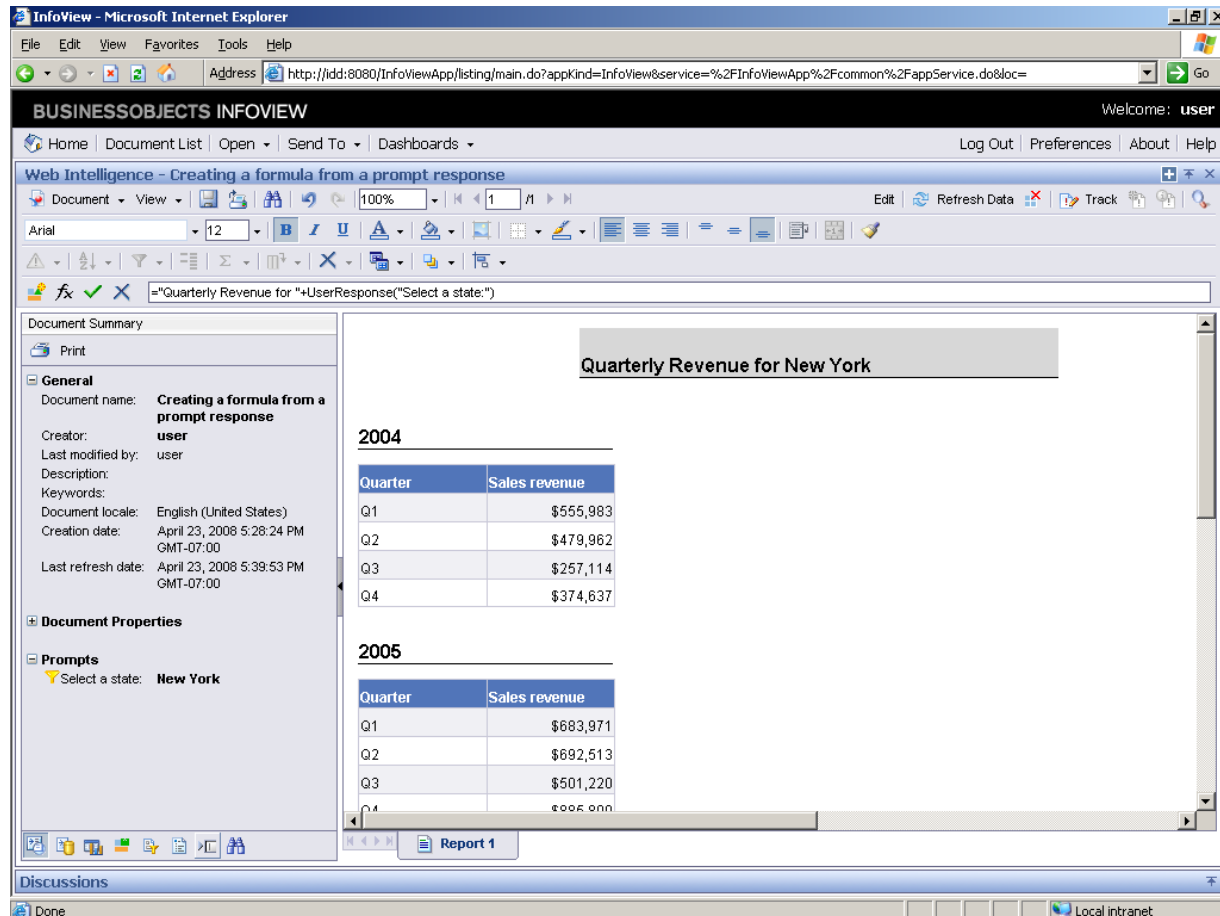
If the syntax were not correct, an error message would be displayed.

19. Click **OK**.



## Creating a formula from a prompt response

### Internal



The screenshot shows the Business Objects InfoView web application in a Microsoft Internet Explorer browser. The address bar shows the URL: `http://dd:8080/InfoViewApp/listing/main.do?appKind=InfoView&service=%2FInfoViewApp%2Fcommon%2FappService.do&loc=`. The page title is "BUSINESSOBJECTS INFOVIEW" and the user is logged in as "user". The main content area displays a report titled "Quarterly Revenue for New York". The report shows data for the years 2004 and 2005, with columns for "Quarter" and "Sales revenue". The formula bar at the top of the report area shows: `=Quarterly Revenue for "+UserResponse("Select a state:")"`. The left sidebar contains a "Document Summary" section with details about the document, including its name, creator, and last modified date. Below this is a "Document Properties" section with a "Prompts" subsection showing a prompt "Select a state:" with the value "New York".

2004	
Quarter	Sales revenue
Q1	\$555,983
Q2	\$479,962
Q3	\$257,114
Q4	\$374,637

2005	
Quarter	Sales revenue
Q1	\$683,971
Q2	\$692,513
Q3	\$501,220
Q4	\$606,000

20. Click the **User Prompt Input** button  .

The new report title, appears in the title cell, and it displays the last response you gave to the prompt, in this case, New York.

Next, you are going to learn another technique for refreshing data in the document using a prompt.

21. Click inside the **Select a state:** field.

The User Prompt Input panel provides a quick way of selecting another value in response to the prompt. You can either:

- click the Advanced button to display the same Prompts box that you used when you refreshed the document at the beginning of this lesson
- or you can type directly in the text field, if you are sure of the value that you want to choose.

22. As required, complete/review the following fields:

Field		R/O/C	Description
Select state:	a	R	<b>Example:</b> Texas

Enter the desired information into the **Select a state:** field.

23. Click **Run**.

Now you can refresh the data to display sales revenue for Texas. Note that the report title will be updated as well.

24. Press [Enter] to continue.

The report is refreshed with data concerning Texas sales revenue, and Texas has replaced New York in the title cell.

Press **[Enter]** to continue.

25. Start the transaction using the menu path or transaction code.